

Development-(1938) Department.

117 SERIES.

G.O. No. 281

DATED 2-2-1939

Despatch Abstract.

7/8/38

Roads - Construction of
roads - Kollegal Division
Proposal Deferred

Kollegal TC

FOREST

DEPARTMENT.



Registered 26275 19

Subject.

PART II SCHEME -

Construction of roads-

Kollegal division.

ENCLOSURES.

No. 2.

(Plan & Sketch)

pare copies

Reference No. 6543-38-A2.

Station Madras, Dated the 30th September 1938.

From (Name) C.C. Wilson Esq., I.F.S.,

(Designation) Chief Conservator of Forests.

To The Secretary to the Government of Madras,

Development Department.

Sir,

I submit herewith plans and estimates amounting to Rs. 56,750 prepared by the Forest Engineer for the construction of the following roads in Ramapuram ~~KEM~~ range of the Kollegal Division:-

- | | Rs. |
|--|------------|
| 1. Talabetta-Cauvery road 14½ miles. | 30,000 |
| 2. <u>Feeder roads.</u> | |
| Branch from Talabetta-Cauvery road |) |
| for Madaswarangudi - 6 miles. |) |
| |) |
| 3. Branch from Talabetta Cauvery road to |) |
| join up at mile 17 with the Ponnachi |) |
| Cowdally road. 2-miles. |) |
| |) |
| Total. | Rs. 56,750 |

hand up - 81 mms
- only 65 mms

7 pp 4-58 mms
p 56 mms

p 4 mms

p 58 mms

Items (1) and (2) above have been prescribed in paragraphs 729 (b) and 730 of the working plan of the division sanctioned in G.O. No.1094, Development dated the 1st August 1934. The Talebetta Cauvery road and the two feeder roads are intended for the ^{transport} ~~transport~~ of a large outturn of bamboos to be extracted annually from the Madeswaranmalai reserve which carries a big unworked stock of bamboos. The importance of these proposed roads has been explained in paragraph 607(b) of the Working Plan. If they are constructed the whole of this enormous area of bamboo forest can easily and cheaply be exploited ^{as} ~~and~~ after carting to Gopinatham on ~~the shore of the Mettur lake,~~ ^{the river} can be floated, - the cheapest form of transport that there is, - all the way to Mettur. The installation of a paper pulp factory at Mettur is being considered by various firms, but even if this does not materialise the bamboo coupes in these forests are bound to become of considerable value when the bamboos can so cheaply be extracted to rail head, at Mettur

2. A net profit of at least Rs.10,000 a year is confidently expected, as will be seen from the financial forecast given below; the actual profit is likely to be greatly in excess of this:-

Estimated revenue.

By sale of three coupes to be served by the road system proposed, the total possibility being 28,000 tons of air dried bamboos annually at Rs.5,000 per coupe per annum	15,000
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By sale of bamboos: by head load tickets to pilgrims of Madeswaranmalai temple during Jattras.	80
--	----

Total.

15,080

Estimated Expenditure.

Interest on capital of Rs.56,750 at 4% per annum.	2,270
Maintenance charges for 14½ miles of Ghat road at Rs.150 a mile.	2,175
do- for 8 miles of valley road at Rs.75 a mile	600

Net profit.

Rs. 10,000
10 0 35

10035
- 2775
7260
+ 2175
7260
+ 600
2775

3. It is proposed to take up the construction of the Talabetta Cauvery road first and complete it by 1942-43, as shown below:-

<u>Year</u>	<u>Proposed expenditure.</u>
	Rs.
1939-40	7,500
1940-41	7,500
1941-42	7,500
1942-43	7,500

Total.	Rs. 30,000

The construction of the two feeder roads referred to will be taken up in 1943-44 and completed during 1946-47. The amount ~~to~~ which it is proposed to spend each year on the feeder roads is indicated below:-

	Rs.
1943-44	7,500
1944-45	7,500
1945-46	7,500
1946-47	4,250

Total	26,750

4. The whole profit of Rs.10,000 forecasted in paragraph 2 above will not be realized until all the roads are completed. But, it is expected that, ^{as soon as} ~~as~~ the main Talabetta-Cauvery road, is completed, a large proportion ^{be} of the estimated annual profit will commence to/realized.

5. I request that Government may be pleased to sanction the proposal as a Part II Scheme for 1939-40 and include a provision of Rs.7,500 under "10 b. Conservancy and works, I.D. Communications and buildings- Roads and Bridges" in the Budget Estimate for the year.

MSP/none 30-9-38
for Chief Conservator of Forests,
Madras.

CAUVERY - THAMMETHA ROAD 14½ miles.

Kollegal Division.
Abstract Estimate.

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
1		8	4	5	6
miles	Valley road as per the detailed estimate			8003 0 0	
mile	Ghaut road as per the detailed estimate			3208 0 0	
miles	Ghaut road in continuation based on the actuals of the estimate for the above 1 mile	3208 0 0	mile	17644 0 0	
	Construction of temporary huts for coolies	lump sum		300 0 0	
	Purchase of tools	do.		250 0 0	
	Contingencies	do.		595 0 0	
					30,000 0 0
	Rupees thirty thousand only.				
	FAS.				
	Supervision charges at 5 per cent.				
	Contingenoids at about 5 per cent.				

Grand Total Estimate

To be filled in by Salt Officers.

Divisional officer (or other countersigning
office to be named).

Sanctioned for 19 -19

Signature and designation of the officer
submitting this estimate.

Collector (or other sanctioning officer to be named).

Tahsildar or other officer (to be named)

6

Grand Total Estimate

Tahsildar or other officer (to be named)

CAUVERY - THALABETTA ROAD.

Chainage.	Details of work.	No.	Length.	Area.	Total		
					Gravelly soil with boulders.	Rock blast-ing.	Disin-tegrated rock.
0.00 to 00	Earth work.	1	100	$\frac{16.5+12}{2}$	1425	100	--
1.00 ,, 2.00	,,	1	100	$\frac{12+4.5}{2}$	825	100	--
2.00 ,, 3.00	,,	1	100	4.50	450	100	--
3.00 ,, 4.00	,,	1	100	4.50	450	--	--
4.00 ,, 5.00	,,	1	100	4.50	450	--	--
5.00 ,, 6.00	,,	1	100	4.50	450	--	--
6.00 ,, 7.00	,,	1	100	4.50	450	--	--
7.00 ,,,,,,,,,,,,,,,,,,,,,,	Retaining wall 10'x2'x2' (Irish Dam.						
7.00 ,, 8.00	,,	1	100	4.50	450	--	--
8.00 ,, 9.00	,,	1	100	4.50	450	--	--
9.00 ,, 10.00	,,	1	100	4.50	450	100	--
10.00 ,, 11.00	,,	1	100	4.50	450	--	--
11.00 ,, 12.00	,,	1	100	4.50	450	--	--
12.00 ,, 13.00	,,	1	100	4.50	450	--	--
13.00 ,, 14.00	,,	1	100	4.50	450	--	--
14.00 ,, 15.00	,,	1	100	$\frac{4.5+12}{2}$	825	--	--
15.00 ,, ,,,,,,,,,,,,,,,,,,,,,,	Retaining wall. 10'x2'x2' (Irish Dam.)						
15.00 ,, 16.00	,,	1	100	$\frac{12+15}{2}$	1350	200	--
16.00 ,,,,,,,,,,,,,,,,,,,,,,	Retaining wall. 10'x2'x2' (Irish Dam.)						
16.00 ,, 17.00	,,	1	100	$\frac{15+12}{2}$	1350	200	--
17.00 ,, 18.00	,,	1	100	$\frac{12+9}{2}$	1050	--	--
18.00 ,, 19.00	,,	1	100	$\frac{9+4.5}{2}$	675	100	--
19.00 ,, 20.00	,,	1	100	4.50	450	--	--
20.00 ,, 21.00	,,	1	100	4.50	450	--	--
21.00 ,, 22.00	,,	1	100	4.50	450	--	--
22.00 ,, 23.00	,,	1	100	$\frac{4.5+9}{2}$	675	--	--
23.00 ,, 24.00	,,	1	100	9.00	900	--	--
24.00 ,, 25.00	,,	1	100	9.00	900	--	--
25.00 ,, 26.00	,,	1	100	9.00	900	--	--
26.00 ,, 27.00	,,	1	100	$\frac{9+12}{2}$	1050	--	--
27.00 ,, 27.50	,,	1	50	$\frac{12+13.5}{2}$	638		
27.50 ,,,,,,,,,,,,,,,,,,,,,,	Retaining wall 20'x2'x2' (Irish Dam.						

Chainage.	Details of work.	No.	Length.	Area.	Total.		
					Gravelly soil with boulders.	Rock blasting	Disintegrated rock.
				B.F.	19313	900	--
27.50 to 28.00	Earth work.	1	50	$\frac{13.5+16.5}{2}$	750	--	--
28.00 ,, 29.00	,,	1	100	$\frac{16.5+21}{2}$	1875	200	--
29.00 ,, 30.00	,,	1	100	$\frac{21+15}{2}$	1800	200	--
30.00 ,, 31.00	,,	1	100	$\frac{15+9}{2}$	1200		
31.00 ,, 32.00	,,	1	100	9.00	900		
32.00 ,, 33.00	,,	1	100	$\frac{9+13.5}{2}$	1125		
33.00 ,, 34.00	,,	1	100	$\frac{13.5+12}{2}$	1275		
34.00 ,, 35.00	,,	1	100	$\frac{12+9}{2}$	1050		
35.00 ,, 36.00	,,	1	100	9.00	900		
36.00 ,, 37.00	,,	1	100	9.00	900		
37.00 ,, 38.00	,,	1	100	9.00	900		
38.00 ,, 39.00	,,	1	100	9.00	900		
39.00 ,, 40.00	,,	1	100	9.00	900		
40.00	Retaining wall			20'x2'x2' (Irish Dam.			
40.00 ,, 41.00	,,	1	100	9.00	900		
41.00 ,, 42.00	,,	1	100	9.00	900		
42.00 ,, 43.00	,,	1	100	$\frac{9.00+10.5}{2}$	975		
43.00 ,, 44.00	,,	1	100	10.50	1050		
44.00 ,, 45.00	,,	1	100	10.50	1050		
45.00 ,, 46.00	,,	1	100	10.50	1050		
46.00 ,, 47.00	,,	1	100	10.50	1050		
47.00 ,, 48.00	,,	1	100	10.50	1050		
48.00 49.00	,,	1	100	$\frac{10.5+13.5}{2}$	1200		
49.00	Retaining wall			10'x2'x2' (Irish Dam.			
49.00 ,, 50.00	,,	1	100	$\frac{13.5+12}{2}$	1275		
50.00 ,, 51.00	,,	1	100	12.00	1200		
51.00 ,, 51.00	,,	1	100	$\frac{12+10.5}{2}$	1125		
52.00	Retaining wall			15'x2'x2' (Irish Dam.			
52.00 ,, 53.00	,,	1	100	$\frac{10.5+12}{2}$	1125		
53.00 ,, 54.00	,,	1	100	12.00	1200		
54.00 ,, 55.00	,,	1	100	$\frac{12+9}{2}$	1050	200	
o. o.					49988	1500	

Chainage.	Details of work.	No.	Length.	Area.	Total			
					Gravelly soil with boulders.	Rock blast-ing.	Disinte-grated rock.	
					B.F.	49988	1500	--
55.00 to 56.00	Earth work.	1	100	$\frac{9+12}{2}$	1050			
56.00 ,, 57.00	,,	1	100	12.00	1200			
57.00 ,, ...	Retaining wall 10'x2'x2' (Irish Dam.)							
57.00 ,, 58.00	,,	1	100	$\frac{12+9}{2}$	1050			
58.00 ,, 59.00	,,	1	100	9.00	900	50		
59.00 ,, 60.00	,,	1	100	9.00	900	100		
60.00	Retaining wall 10'x2'x2' (Irish Dam.)							
60.00 ,, 61.00	,,	1	100	9.00	900			
61.00 ,, 62.00	,,	1	100	9.00	900			
62.00 ,, 63.00	,,	1	100	9.00	900			
63.00 ,, 64.00	,,	1	100	9.00	900			
64.00 ,, 65.00	,,	1	100	9.00	900			
65.00 ,, 66.00	,,	1	100	9.00	900			
66.00	Retaining wall 15'x2'x2' (Irish Dam.)							
66.00 ,, 68.00	,,	1	200	9.00	1800			
68.00	Retaining wall 20'x2'x2' (Irish Dam.)							
68.00 ,, 69.00	,,	1	100	9.00	900			
69.00 ,, 70.00	,,	1	100	9.00	900			
70.00 ,, 71.00	,,	1	100	9.00	900			
71.00 ,, 72.00	,,	1	100	9.00	900			
72.00 ,, 73.00	,,	1	100	9.00	900			
73.00 ,, 74.00	,,	1	100	$\frac{9+10.5}{2}$	975			
74.00 ,, 75.00	,,	1	100	10.50	1050			
75.00 ,, 76.00	,,	1	100	10.50	1050			
76.00 ,, 77.00	,,	1	100	10.50	1050			
77.00 ,, 78.00	,,	1	100	10.50	1050			
78.00	Retaining wall 10'x2'x2' (Irish Dam.)							
78.00 ,, 79.00	,,	1	100	10.50	1050			
79.00 ,, 80.00	,,	1	100	$\frac{10.5+9}{2}$	975			
80.00 ,, 81.00	,,	1	100	$\frac{9+10.5}{2}$	975	50		
81.00 ,, 82.00	,,	1	100	10.50	1050			
82.00 ,, 83.00	,,	1	100	$\frac{10.5+9}{2}$	975			
83.00 ,, 84.00	,,	1	100	9.00	900			
					C.O.	77888	1700	

Chainage.	Details of work.	No.	Length.	Area.	Total		
					Gravelly soil with boulders.	Rock blast-ing.	Disinte-grated rock.
					B.F. 77888	1700	
84.00 to 85.00	Earth work.	1	100	$\frac{9+4.5}{2}$	675		
85.00 ,, 86.00	,,	1	100	4.50	450		
86.00 ,, 87.00	,,	1	100	4.50	450		50
87.00 ,, 88.00	,,	1	100	4.50	450		
88.00 ,, 89.00	,,	1	100	4.50	450		
89.00 ,, 90.00	,,	1	100	$\frac{4.5+15}{2}$	975		
90.00	Retaining wall 20'x2'x2' (Irish Dam.)						
90.00 ,, 91.00	,,	1	100	$\frac{15+9}{2}$	1200		
91.00 ,, 92.00	,,	1	100	9.00	900		50
92.00 ,, 93.00	,,	1	100	$\frac{9+10.5}{2}$	975		
93.00 ,, 94.00	,,	1	100	$\frac{10.5+9}{2}$	975		
94.00 ,, 95.00	,,	1	100	9.00	900		
95.00 ,, 96.00	,,	1	100	9.00	900		100
96.00	Retaining wall 15'x2'x2' (Irish Dam.)						
96.00 ,, 97.00	,,	1	100	$\frac{9+12}{2}$	1050		
97.00 ,, 98.00	,,	1	100	$\frac{12+9}{2}$	1050		
98.00 ,, 99.00	,,	1	100	9.00	900		
99.00 ,, 100.00	,,	1	100	$\frac{9+4.5}{2}$	675		
100.00 ,, 101.00	,,	1	100	$\frac{4.5+9}{2}$	675		
101.00 ,, 102.00	,,	1	100	$\frac{9+12}{2}$	1050		
102.00 ,, 103.00	,,	1	100	$\frac{12+9}{2}$	1050		
103.00	Retaining wall 15'x2'x2' (Irish Dam.)						
103.00 ,, 104.00	,,	1	100	$\frac{9+12}{2}$	1050		
104.00 ,, ...	Retaining wall 10'x2'x2' (Irish Dam.)						
104.00 ,, 105.00	,,	1	100	12.00	1200		
105.00 ,, 106.00	,,	1	100	$\frac{12+9}{2}$	1050		
106.00	Retaining wall 20'x2'x2'						
106.00 ,, 107.00	,,	1	100	$\frac{9+13.5}{2}$	1125		
107.00 ,, 108.00	,,	1	100	$\frac{13.5+15}{2}$	1425		
108.00 ,, 109.00	,,	1	100	$\frac{15+9}{2}$	1200		100
109.00 ,, 110.00	,,	1	100	9.00	900		
110.00 ,, 111.00	,,	1	100	9.00	900		
111.00	Retaining wall 10'x2'x2' (Irish Dam.)						
111.00 ,, 112.00		1	100	9.00	900		
					c.o. 103388	2000	

Chainage.	Details of work.	No.	Length.	Area.	Total.	
					Gravelly soil with boulders.	Rock (Dis-ting. (ro
				B.F.	103388	2000
112.00 to 113.00	Earth work	100	9.00		900	
113.00	Retaining wall	15' 0" x 2' x 2'			(Irish Dam)	
113.00 to 114.00		1	100	$\frac{9+12}{2}$	1050	
114.00	Retaining wall	12' 0" x 2' x 2'			(Irish Dam)	
114.00 to 115.00	,,	1	100	12.00	1200	
115.00	Retaining wall	12' 0" x 2' x 2'			(Irish Dam)	
115.00 to 116.00	Earth work	1	100	12.00	1200	
116.00 to 117.00	,,	1	100	$\frac{12+13.50}{2}$	1275	
117.00	Retaining wall	15' 0" x 2' x 2'			(Irish Dam)	
117.00 to 118.00	Earth work	1	100	$\frac{13.50+12}{2}$	1275	
118.00 to 119.00	,,	1	100	12.00	1200	
119.00 to 120.00	,,	1	100	$\frac{12+9}{2}$	1050	
120.00 to 121.00	,,	1	100	9.00	900	
121.00 to 122.00	,,	1	100	9.00	900	
122.00 to 123.00	,,	1	100	9.00	900	
123.00 to 124.00	,,	1	100	9.00	900	
124.00 to 125.00	,,	1	100	9.00	900	
125.00	Retaining wall	15' 0" x 2' x 2'			(Irish Dam)	
125.00 to 126.00	Earth work	1	100	9.00	900	
126.00 to 127.00	,,	1	100	9.00	900	
127.00 to 128.00	,,	1	100	9.00	900	
128.00	Retaining wall	10' 0" x 2' x 2'			(Irish Dam)	
128.00 to 129.00	Earth work	1	100	9.00	900	
129.00 to 130.00	,,	1	100	9.00	900	
130.00	Retaining wall	10' 0" x 2' x 2'				
130.00 ,, 131.00	,,	1	100	9.00	900	
131.00 ,, 132.00	,,	1	100	9.00	900	
132.00 ,, 133.00	,,	1	100	9.00	900	
133.00 ,, 134.00	,,	1	100	$\frac{9+12}{2}$	1050	
134.00 ,, 135.00	,,	1	100	$\frac{12+15}{2}$	1350	
135.00	Retaining wall	10' 0" x 2' x 2'			(Irish Dam)	
135.00 ,, 136.00	,,	1	100	$\frac{15+12}{2}$	1350	
136.00	Retaining wall	20' 0" x 2' x 2'			(Irish Dam)	
136.00 ,, 137.00	,,	1	100	12.00	1200	
137.00 ,, 138.00	,,	1	100	12.00	1200	
138.00 ,, 139.00	,,	1	100	$\frac{12+9}{2}$	1050	
139.00	Retaining wall	10' 0" x 2' x 2'			(Irish Dam)	
139.00 ,, 140.00	,,	1	00	9.00	900	
				C.O.	132338	2000

Chainage.	Details of work.	No.	Length.	Area.	Total	
					Gravelly soil with boulders	Rock Dis. blast ing. re
				B.F.	132338	2000
140.00 to 141.00	Earth work	1	100	9.00	900	
141.00	Retaining wall 10'0" x 2' x 2' (Irish Dam)					
141.00 ,, 142.00	,,	1	100	$\frac{9+12}{2}$	1050	
142.00	Retaining wall 10'0" x 2' x 2' (Irish Dam)					
142.00 to 143.00	,,	1	100	$\frac{12+4.50}{2}$	825	
143.00 ,, 144.00	,,	1	100	$\frac{4.50+9}{2}$	675	
144.00 ,, 145.00	,,	1	100	$\frac{9+12}{2}$	1050	
145.00 ,, 146.00	,,	1	100	12.00	1200	
146.00	Retaining wall 10'0" x 2' x 2' (Irish Dam)					
146.00 ,, 147.00	,,	1	100	12.00	1200	
147.00 ,, 148.00	,,	1	100	12.00	1200	
148.00 ,, 148.50	,,	1	50	12.00	600	
148.50	Retaining wall 20'0" x 2' x 2' (Irish Dam)					
148.50 ,, 149.00	,,	1	50	12.00	600	
149.00 ,, 150.00	,,	1	100	12.00	1200	100
150.00 ,, 151.00	,,	1	100	$\frac{12+9}{2}$	1050	
151.00	Retaining wall 10'0" x 2' x 2' (Irish Dam)					
151.00 ,, 152.00	,,	1	100	9.00	900	
152.00 ,, 153.00	,,	1	100	$\frac{9+12}{2}$	1050	
153.00 ,, 154.00	,,	1	100	12.00	1200	
154.00	Retaining wall 10'0" x 2' x 2' (Irish Dam)					
154.00 ,, 155.00	,,	1	100	12.00	1200	
155.00 ,, 156.00	,,	1	100	$\frac{12+45}{2}$	2650	
156.00 ,, 157.00	,,	1	100	$\frac{45+135}{2}$	9000	
157.00 ,, 157.40	,, with 25% rock	1	40	135.00	3240	2150
157.40 ,, 157.78	,,	1	38	$\frac{135+180}{2}$	4488	1497
157.78 ,, 158.50	,,	1	72	$\frac{180+135}{2}$	8305	2835
158.50	Retaining wall 150' x 3' x 10'					
158.50 ,, 159.00	,,	1	50	$\frac{135+45}{2}$	4500	500
159.00 ,, 160.00	Earthwork	1	100	$\frac{45+12}{2}$	2850	
160.00 ,, 160.80	,,	1	80	12.00	960	
160.80 ,, 161.60	,,	1	80	$\frac{12+60}{2}$	2880	
161.60	Retaining wall 20'0" x 2' x 2' (Irish Dam)					
161.60 ,, 162.50	Earthwork	1	90	60.00	5400	
162.50 ,, 164.00	,,	1	150	$60+12/2$	5400	
164.00 .. 166.25	,,	1	225	$12+9/2$	2363	

					Total.		
Chainage.	Details of work.	No.	Length.	Area.	Gravelly soil with boulders.	Rock blast-ing.	Disintegrated rock.
					200674	9892	--
					D.F.		
166.25 to 168.00	Earth work	1	175	$\frac{9+12.00}{2}$	1838		
168.00 ,, 170.00	,,	1	200	$\frac{12+9}{2}$	2100		
170.00 ,, 171.00	,,	1	100	9.00	900		
171.00 ,, 172.00	,,	1	100	9.00	900		
172.00 ,, 173.00	,,	1	100	9.00	900		
173.00	Retaining wall 10'0" x 2'x2' (Irish Dam)						
173.00 ,, 174.00	,,	1	100	9.00	900		
174.00 ,, 175.00	,,	1	100	$\frac{9+12}{2}$	1050		
175.00 ,, 176.00	,,	1	100	12.00	1200	100	
176.00 ,, 177.00	,,	1	100	$\frac{12+16.50}{2}$	1425	200	
177.00 ,, 178.00	,,	1	100	$\frac{16.50+45}{2}$	3075	400	
178.00 ,, 179.00	,,	1	100	45.00	4500	100	
179.00 ,, 180.00	,,	1	100	$\frac{45+21}{2}$	3300		
180.00 ,, 180.60	,,	1	60	$\frac{21+16.50}{2}$	1125		
180.60	Retaining wall 20'0" x 2' x 2' (Irish Dam)						
180.60 ,, 181.60	,,	1	100	$\frac{16.50+9}{2}$	1275		
181.60 ,, 183.00	,,	1	140	9.00	1260		
183.00 ,, 184.00	,,	1	100	9.00	900		
184.00 ,, 185.00	,,	1	100	9.00	900		
185.00 ,, 186.00	,,	1	100	9.00	900		
186.00 ,, 187.00	,,	1	100	$\frac{9+12}{2}$	1050		
187.00 ,, 188.00	,,	1	100	12.00	1200		
188.00 ,, 189.00	,,	1	100	12.00	1200		
189.00 ,, 189.60	,,	1	60	12.00	720		
189.60	Retaining wall 20'x2'x2' (Irish Dam)						
189.60 ,, 190.60	,,	1	100	$\frac{12+9}{2}$	1050		
190.60 ,, 192.00	,,	1	140	9.00	1260		
192.00 ,, 193.00	,,	1	100	$\frac{9+12}{2}$	1050		
193.00 ,, 194.00	,,	1	100	$\frac{12+9}{2}$	1050		
194.00 ,, 195.00	,,	1	100	9.00	900		
195.00 ,, 196.00	,,	1	100	9.00	900		
					c.o.	239502	9892

						Total.		
Chainage.	Details of work.	No.	Length.	Area.	Gravity soil with boulders.	Rock ing.	Disintegrated rock.	
					B.F.	239502	9892	
196.00 to 197.00	Earth work	1	100	9.00		900		
197.00 to 198.00	,,	1	100	9.00		900		
198.00 ,, 199.00	,,	1	100	9.00		900		
199.00 ,, 200.00	,,	1	100	9.00		900		
200.00 ,, 201.00	,,	1	100	9.00		900		
201.00 ,, 202.00	,,	1	100	9.00		900		
202.00 ,, 203.00	,,	1	100	9.00		900		
203.00 ,, 204.00	,,	1	100	9.00		900		
204.00 ,, 205.00	,,	1	100	9.00		900		100
205.00..... Retaining wall 10'0" x 2' x 2' (Irish Dam)								
205.00 ,, 206.00	,,	1	100	9.00		900		
206.00 ,, 207.00	,,	1	100	$\frac{9+4.50}{2}$		675		200
207.00 ,, 208.00	,,	1	100	$\frac{4.50+16.50}{2}$		1050		
208.00 ,, 209.00	,,	1	100	$\frac{16.50+9}{2}$		1275		
209.00 ,, 210.00	,,	1	100	9.00		900		
210.00 ,, 211.00	,,	1	100	9.00		900		
211.00 ,, 212.00	,,	1	100	9.00		900		
212.00 ,, 213.00	,,	1	100	9.00		900		
213.00 ,, 214.00	,,	1	100	9.00		900		
214.00 ,, 215.00	,,	1	100	9.00		900		
215.00 ,, 216.00	,,	1	100	9.00		900		
216.00 ,, 217.00	,,	1	100	~~9.00~~ $\frac{9+7.50}{2}$		~~900~~ 825		
217.00 ,, 218.00	,,	1	100	7.50		750		
218.00 ,, 219.00	,,	1	100	7.50		750		
219.00 ,, 220.00	,,	1	100	$\frac{7.50+10.50}{2}$		900		
220.00 ,, 221.00	,,	1	100	$\frac{10.50+7.50}{2}$		900		
221.00 ,, 222.00	,,	1	100	7.50		750		
222.00 ,, 223.00	,,	1	100	7.50		750		
223.00 ,, 224.00	,,	1	100	$\frac{7.50+45}{2}$		2625		
224.00..... Retaining wall 20'0" x 2' x 2' (Irish Dam)								

Chainage.	Details of work.	No.	Length.	Area.	Total		
					Gravelly soil with boulders.	Rock 'blast-ing.	'Disin-tegrated rock.
				B.F.	266002	10192	
224.00 to 225.00	Earth work.	1	100	$\frac{45+7.5}{2}$	2625		
225.00 ,, 226.00	,,	1	100	7.50	750		
226.00 ,, 227.00	,,	1	100	$\frac{7.5+9}{2}$	825		
227.00 ,, 228.00	,,	1	100	$\frac{9+7.5}{2}$	825		
228.00 ,, 229.00	,,	1	100	7.50	750		
229.00 ,, 230.00	,,	1	100	7.50	750		
230.00 ,, 231.00	,,	1	100	$\frac{7.5+9}{2}$	825		
231.00 ,, 232.00	,,	1	100	9.00	900		
232.00 ,, 233.00	,,	1	100	$\frac{9+7.5}{2}$	825		
233.00 ,, 234.00	,,	1	100	7.50	750		
234.00 ,, 235.00	,,	1	100	7.50	750		
235.00 ,, 235.65	,,	1	65	$\frac{7.5+21}{2}$	926		
235.65	Retaining wall 20'x2'x2' (Irish Dam.)						
235.65 ,, 236.65	,,	1	100	$\frac{21+9}{2}$	1500		
236.65 ,, 238.00	,,	1	135	$\frac{9+15}{2}$	1620	100	
238.00 ,, 238.70	,,	1	70	$\frac{15+16.5}{2}$	1103	100	
238.70 ,, 239.25	,,	1	55	$\frac{16.5+45}{2}$	1391	200	
239.25	Retaining wall 30'x2'x3' (Irish Dam.)						
239.25 ,, 240.25	,,	1	100	45.00	4500		
240.25 ,, 241.00	,,	1	75	$\frac{45+285}{2}$	12375	300	
241.00 ,, 241.35	,,	1	35	$\frac{285+45}{2}$	5775	200	
241.35	Retaining wall 30'x2'x3' (Irish Dam.)						
241.35 ,, 242.00	,,	1	65	$\frac{45+12}{2}$	1853	300	
242.00 ,, 243.35	,,	1	135	12.00	1620	300	
243.35	Retaining wall 30'x2'x3' (Irish Dam.)						
243.35 ,, 244.35	,,	1	100	$\frac{12+18}{2}$	1500	200	
244.35 ,, 244.75	,,	1	40	$\frac{18+45}{2}$	1260	300	
244.75 ,, 245.50	,,	1	75	$\frac{45+10.5}{2}$	2081	400	
245.50	Retaining wall 30'x2'x3' (Irish Dam.)						
245.50 ,, 245.90	,,	1	40	$\frac{10.5+12}{2}$	450	100	
245.90 ,, 246.90	,,	1	100	$\frac{12+10.5}{2}$	1125	200	
246.90	Retaining wall 20'x2'x2' (Irish Dam.)						
246.90 ,, 248.00	,,	1	110	$\frac{10.5+9}{2}$	1073	200	
248.00 ,, 249.00	,,	1	100	$\frac{9+45}{2}$	2700	100	
					c.o.	319729.	13192.

Chainage.	Particulars	Details of work.	No.	Length.	Area.	Total		
						Gravelly soil with boulders.	Rock blasted ing.	Disintegrated rock.
					B.F.	387316	18892	500
280.00 to 281.00	Earth work.	1	100	7.50		750		
281.00 ,, 282.00	,,	1	100	7.50		750		
282.00 ,, 283.00	,,	1	100	$\frac{7.5+9}{2}$		825		
283.00 ,, 284.00	,,	1	100	$\frac{9+21}{2}$		1500		
284.00 ,, 284.85	,,	1	85	$\frac{21+16.5}{2}$		1594		
284.85 ,, 285.83	,,	1	98	16.50		1617		
285.83	Retaining wall			30'x2'x2' (Irish Dem.)				
285.83 ,, 287.00	,,	1	117	$\frac{16.5+12}{2}$		1667		
287.00 ,, 288.00	,,	1	100	$\frac{12+9}{2}$		1050		
288.00 ,, 289.00	,,	1	100	$\frac{9+7.5}{2}$		825		
289.00 ,, 290.00	,,	1	100	$\frac{7.5+9}{2}$		825		
290.00 ,, 291.00	,,	1	100	$\frac{9+16.5}{2}$		1275		
291.00 ,, 292.00	,,	1	100	$\frac{16.5+45}{2}$		3075	200	
292.00 ,, 293.05	,,	1	105	45.00		4725	100	500
293.05	Retaining wall			20'x2'x2' (Irish Dem.)				
293.05 ,, 293.45	,,	1	40	$\frac{45+15}{2}$		1200		
293.45 ,, 294.00	,,	1	45	$\frac{15+16.5}{2}$		700		
294.00 ,, 294.50	,,	1	50	$\frac{16.5+12}{2}$		710		
294.50	Retaining wall			20'x2'x2' (Irish Dem.)				
294.50 ,, 295.50	,,	1	100	$\frac{12+9}{2}$		1050		
295.50 ,, 297.00	,,	1	150	$\frac{9+7.5}{2}$		1238		
297.00 ,, 299.00	,,	1	200	7.50		1500		
299.00 ,, 300.00	,,	1	100	$\frac{7.5+9}{2}$		825		
300.00 ,, 301.00	,,	1	100	$\frac{9+7.5}{2}$		825		
301.00 ,, 302.00	,,	1	100	7.50		750		
302.00 ,, 303.00	,,	1	100	7.50		750		
303.00 ,, 303.40	,,	1	40	$\frac{7.5+21}{2}$		570		
303.40	Retaining wall			20'x2'x2' (Irish Dem.)				
303.40 ,, 304.40	,,	1	100	$\frac{21+7.5}{2}$		1425		
304.40 ,, 306.00	,,	1	160	$\frac{7.5+9}{2}$		1320		
306.00 ,, 307.00	,,	1	100	$\frac{9+10.5}{2}$		975		
307.00 ,, 308.00	,,	1	100	$\frac{10.5+7.5}{2}$		900		
					C.J.	422544	19192	1000

Chainage.	Details of work.	No.	Length.	Area.	Total		
					Gravelly soil with boulders.	Rock ing.	Disintegrated rock.
				B.F.	422544	19192	1000
308.00 to 309.00	Earth work.	1	100	7.50	750		
309.00 ,, 310.00	„	1	100	$\frac{7.5+15}{2}$	1125		
310.00 ,, 311.00	„	1	100	$\frac{15+16.5}{2}$	1575	200	
311.00 ,, 311.70	„	1	70	$\frac{16.5+24}{2}$	1418	500	
311.70 ,, 312.00	„	1	30	$\frac{24+13.5}{2}$	563	700	
312.00 ,, 312.80	„	1	80	$\frac{13.5+60}{2}$	2940		
312.80	Retaining wall 30'x2'x2' (Irish Dam.)						
312.80 ,, 313.60	„	1	80	60.00	4800	200	
313.60 ,, 314.20	„	1	60	$\frac{60+82.5}{2}$	4275		
314.20 ,, 315.20	„	1	100	$\frac{82.5+60}{2}$	7125	200	600
315.20 ,, 316.10	„	1	90	$\frac{60+67.5}{2}$	5738		
316.10	Retaining wall 30'x2'x2' (Irish Dam.)						
316.10 ,, 317.10	„	1	100	$\frac{67.5+52.5}{2}$	6000	300	
317.10 ,, 318.00	„	1	90	$\frac{52.5+60}{2}$	5065	400	800
318.00 ,, 318.70	„	1	70	$\frac{60+16.5}{2}$	2678	500	1000
318.70 ,, 319.70	„	1	100	$\frac{16.5+13.5}{2}$	1500		
319.70	2'-0" Span Culvert.						
319.70 ,, 320.40	„	1	70	$\frac{13.5+24}{2}$	1313		
320.40 ,, 321.40	„	1	100	$\frac{24+7.5}{2}$	1575	400	400
321.40	Retaining wall 30'x2'x2'						
321.40 ,, 322.30	„	1	90	7.50	675		
322.30 ,, 324.00	„	1	170	7.50	1275		
324.00 ,, 324.70	„	1	70	$\frac{7.5+9}{2}$	578	100	
324.70 ,, 325.70	„	1	100	$\frac{9+7.5}{2}$	825	200	300
325.70 ,, 326.70	„	1	100	$\frac{7.5+12}{2}$	975		
326.70 ,, 327.70	„	1	100	$\frac{12+9}{2}$	1050	300	
327.70 ,, 328.70	„	1	100	$\frac{9+12}{2}$	1050	300	
328.70 ,, 329.30	„	1	60	$\frac{12+60}{2}$	2160		
329.30 ,, 329.80	„	1	50	$\frac{60+75}{2}$	3375	200	600
329.80 ,, 330.35	„	1	55	$\frac{75+52.5}{2}$	3506	200	400
330.35 ,, 331.00	„	1	100	$\frac{52.5+82.5}{2}$	6750		
C.O.					493201	23892	5100

Chainage.	Detail of work.	No.	Length.	Area.	Total.		
					Gravelly soil with boulders.	Rock blast-ing.	Disintegrated rock.
				B.F.	493201	23392	5100
331.00 to 331.70	Earth work	1	70	$82.50 + 45$			
				$\frac{2}{2}$	4463	400	600
331.70 ,, 332.20	..	1	50	$45 + 12$	1425		
				$\frac{2}{2}$			
332.20 ,, 332.75		1	55	$12 + 21$	908		
				$\frac{2}{2}$			
332.75	2'0" span culvert						
332.75 to 333.45	Earth work	1	70	$21 + 13.5$	1208	100	200
				$\frac{2}{2}$			
333.45 ,, 334.25	..	1	80	$13.5 + 9$	900		
				$\frac{2}{2}$			
334.25 ,, 336.00	..	1	175	$9 + 7.5$	1444		
				$\frac{2}{2}$			
336.00 ,, 338.00	..	1	200	$7.5 + 9$	1650		
				$\frac{2}{2}$			
338.00 ,, 340.00	..	1	200	$9 + 7.5$	1650		
				$\frac{2}{2}$			
340.00 ,, 341.00	..	1	100	7.50	750		
341.00 ,, 342.95	..	1	195	$7.5 + 9$	1609		
				$\frac{2}{2}$			
342.95	Retaining wall 20'0" x 2' x 2' (Irish Dam)						
342.95 ,, 344.00	Earth work	1	105	$9 + 7.5$	866		
				$\frac{2}{2}$			
344.00 ,, 346.00	..	1	200	7.50	1500		
345.00 ,, 347.00	..	1	100	7.50	750		
347.00 ,, 348.00	..	1	100	$7.5 + 10.5$	900		
				$\frac{2}{2}$			
348.00 ,, 349.00	..	1	100	$10.5 + 9$	975		
				$\frac{2}{2}$			
349.00 ,, 349.50	..	1	50	$9 + 16.5$	638		
				$\frac{2}{2}$			
349.50	Retaining wall 20'0" x 2' x 2' (Irish Dam)						
349.50 to 350.50	Earth work	1	100	$10.5 + 10.5$	1350		
				$\frac{2}{2}$			
350.50 ,, 352.50	..	1	200	$10.5 + 7.5$	1800		
				$\frac{2}{2}$			
352.50 ,, 354.00	..	1	150	$7.5 + 9$	1238		
				$\frac{2}{2}$			
354.00 ,, 355.0	..	1	100	9.00	900		
355.00 ,, 356.00	..	1	100	$9 + 7.50$	825		
				$\frac{2}{2}$			
356.00 ,, 357.00	..	1	100	7.50	750		
357.00 ,, 358.00	..	1	100	7.50	750		
358.00 ,, 359.00	..	1	100	7.50	750		
359.00 ,, 360.00	..	1	100	$7.5 + 12$	975		
				$\frac{2}{2}$			
360.00 ,, 361.00	..	1	100	$12 + 7.5$	975		
				$\frac{2}{2}$			
361.00 ,, 362.05	..	1	105	$7.5 + 10.5$	945		
				$\frac{2}{2}$			
362.05 ,, 363.00	..	1	100	$10.5 + 9$	975		
				$\frac{2}{2}$			
363.00	Retaining wall 10'0" x 2' x 2' (Irish Dam)						
				C.O.	527070	24392	5900

Chainage.	Details of work.	No.	Length.	Area.	Total.		
					Gravelly Soil with boulders.	Rock blast- ing.	Disinte- grated rock.
363.00 to 364.00	Earth work	1	100	B.F. 9.00	527070 900	24392	8900
364.00 ,, 365.00	,,	1	100	$\frac{9 + 12}{2}$	1050		
365.00 ,, 366.00	,,	1	100	$\frac{12 + 45}{2}$	2850		
366.00	Retaining wall			25'0" x 2' x 2' (Irish Dam)			
366.00 ,, 366.65	Earth work	1	65	$\frac{45 + 12}{2}$	1853	200	
366.65 ,, 368.00	,,	1	135	$\frac{12 + 15}{2}$	1825	300	
368.00 ,, 369.00	,,	1	100	$\frac{15 + 13.5}{2}$	1425		300
369.00 ,, 369.70	,,	1	70	$\frac{13.5 + 21}{2}$	1208		
369.70 ,, 370.50	,,	1	80	$\frac{21 + 60}{2}$	3240		400
370.50 ,, 371.50	,,	1	100	00.00	6000	600	600
371.50 ,, 372.00	,,	1	50	$\frac{60 + 67.5}{2}$	3188	700	
372.00	Retaining wall			30'0" x 2' x 2' (Irish Dam)			
372.00 to 372.50	Earth work	1	50	$\frac{67.5 + 24}{2}$	2288	300	
372.50 ,, 373.15	,,	1	65	$\frac{24 + 52.5}{2}$	2486	200	200
373.15 ,, 374.15	,,	1	100	$\frac{52.5 + 15}{2}$	3375		
374.15 ,, 375.15	,,	1	100	15.00	1500		
375.15 ,, 376.15	,,	1	100	$\frac{15 + 9}{2}$	1200		
376.15 ,, 377.65	,,	1	150	$\frac{9 + 12}{2}$	1575		600
377.65 ,, 378.05	,,	1	40	$\frac{12 + 10.5}{2}$	450		
378.05 ,, 379.00	,,	1	95	$\frac{10.5 + 9}{2}$	925		800
379.00 ,, 380.00	,,	1	100	$\frac{9 + 10.5}{2}$	975		
380.00 ,, 380.60	,,	1	60	$\frac{10.5 + 12}{2}$	675		
380.60	Retaining wall			10' x 2' x 2' (Irish Dam)			
380.60 ,, 381.60	,,	1	100	$\frac{12 + 15}{2}$	1350		
381.60	Retaining wall			20'0" x 2' x 2' (Irish Dam)			
381.60 ,, 382.60	Earth work	1	100	$\frac{15 + 7.5}{2}$	1125		
382.60 ,, 383.60	,,	1	100	7.50	750		
383.60 ,, 384.60	,,	1	100	7.50	750		
384.60 ,, 385.00	,,	1	40	7.50	300		
385.00 ,, 386.00	,,	1	100	7.50	750		
386.00 ,, 386.65	,,	1	65	$\frac{7.50 + 21}{2}$	926		
386.65	Retaining wall			30'0" x 2' x 2' (Irish Dam)			
386.65 ,, 387.65	,,		100	$\frac{21 + 7.5}{2}$	1425		
C.O.					573433	26892	8800

Chainage.	Details of work.	No.	Length.	Area.	Total		
					Gravelly soil with boulders.	rock blasting.	Disintegrated rock.
				B.F.	573433	26892	8800
387.65 to 388.65	Earth work	1	100	7.50	750		
388.65 ,, 390.00	,,	1	135	7.50	1013		
390.00 ,, 392.00	,,	1	200	7.50	1500		
392.00 ,, 394.00	,,	1	200	7.50	1500		
394.00 ,, 396.00	,,	1	200	7.50	1500		
396.00 ,, 396.90	,,	1	90	$\frac{7.50+12}{2}$	878		
396.90	Retaining wall 15'0" x 2' x 2' (Irish Dam)						
396.90 ,, 398.00	Earth work	1	110	$\frac{12+7.50}{2}$	1073		
398.00 ,, 399.00	,,	1	100	7.50	750		
399.00 ,, 400.00	,,	1	100	7.50	750		
400.00 ,, 401.00	,,	1	100	7.50	750		
401.00 ,, 402.00	,,	1	100	7.50	750	200	
402.00 ,, 402.50	,,	1	50	$\frac{7.50+21}{2}$	713	200	
402.50 ,, 403.30	,,	1	80	$\frac{21+16.5}{2}$	1500	400	
403.30 ,, 403.75	,,	1	45	$\frac{16.5+24}{2}$	911	400	
403.75 ,, 404.75	,,	1	100	$\frac{24+10.5}{2}$	1725	200	
404.75 ,, 405.75	,,	1	100	$\frac{10.5+9}{2}$	975		
405.75 ,, 406.75	,,	1	100	$\frac{9+7.5}{2}$	825		
406.75 ,, 407.75	,,	1	100	7.50	750		
407.75 ,, 409.00	,,	1	125	$\frac{7.5+10.5}{2}$	1500		
409.00 ,, 409.80	,,	1	80	$\frac{16.5+13.5}{2}$	1200		
409.80 ,, 410.80	,,	1	100	$\frac{13.5+45}{2}$	2925	300	
410.80 ,, 411.80	,,	1	100	45.00	4500	300	
411.80 ,, 413.00	,,	1	120	$\frac{45+10.5}{2}$	3330	300	
413.00 ,, 414.00	,,	1	100	$\frac{10.5+7.5}{2}$	900		
414.00 ,, 415.00	,,	1	100	7.50	750	100	
415.00 ,, 417.00	,,	1	200	$\frac{7.5+10.5}{2}$	1800		
417.00 ,, 418.00	,,	1	100	$\frac{10.5+7.5}{2}$	900		
418.00 ,, 419.00	,,	1	100	7.5	750		
				C.O.	610601	29292	8800

Chainage.	Details of work.	No.	Length.	Area.	Total		
					Gravelly soil with boulders.	Rock blast- ing.	Disinte- grated rock.
				B.F.	610601	29292	8800
419.00 to 420.00	Earth work	1	100	7.5	750		
420.00 ,, 421.20		1	120	7.50	900		
421.20	Retaining wall 20'0" x 2' x 2' (Irish Dam)						
421.20 to 422.00	Earth work	1	80	$\frac{7.50 + 10.5}{2}$	720	200	
422.00 ,, 422.40	,,	1	40	10.5	420		
Total ..					6,13,391	29,492	8,800
or					6,13,000	29,500	9,000

ESTIMATE FORM Abstract.

Item number	Quantity.	Description of work.	Rate.	Per	Amount	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			RS.		RS.	RS.
500 cft.		Earth work excavation in foundation.	Rs. 6/9/-	1000 cft.	Rs. 3-4-6	
500 cft.		Dry stone work. ...	8/1/-	100 cft.	28-3-6	
65 cft.		Cut stone work. ...	0/8/-	cft.	32-8-0	
		Contingencies.	Lump Sum.		1-0-0	
			Total		Rs. 65-0-0	

Rupees sixty five only.

Forest Engineer
Coimbatore.

Supersixty five only.

Forest Engineer
Coimbatore.

Grand total of estimates

STATION _____

Executive Engineer,

Nam Taluk.

Culverts -- 2' 0" span.

G.F. 151--46,832--5-10-23

Name of Work.

ESTIMATE FORM—Detail Measurements.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<u>Earthwork excavation in foundation.</u>						
Foundations	1	14-6	6-6	4-0	377	
Retaining walls	2 X 2	1-9	2-6	4-0	70	
do.	2	6-0	2-0	3-0	72	
Total earth work				Cft.	519	or 500 cft.
<u>Dry stone work.</u>						
Abutments	2	14-6	2-6	1-0	73	
Retaining walls	2 X 2	1-9	2-6	1-0	18	
Abutments	2	14-0	2-0	2-0	112	
Return walls	2	2-0	2-0	3-0	24	
do.	2	8-0	2-0	3-0	96	
Paving	1	15-0	1-6	1-0	23	
Total Dry stone work				Cft.	346	or 350 cft.
<u>Cut stone work.</u>						
Over vents	1	14-0	5-0	0-9	53	
Parapet wall	2	6-0	1-0	1-0	12	
Total cut stone work				Cft.	65	cft. 65

Chart Abstract Estimate, 1 mile.

Rupees three thousand two hundred and eight only.

PAG.

Contingencies at about 5 per cent.

¹ To be filled in by Salt Officers.

Tahsildar or other officer (to be named)

Laundry - Thalabetta road - Ghaut Section - 1 mile.

						Total.		
Chainage.	Details of work.	No.	Length.	Area.	Gravelly soil with boulders.	Rock blast-ing.	Disinte-grated rock.	
422.40 to 423.00	Earth Work	1	60	$\frac{10.5+7.5}{2}$	540			
423.00 ,, 424.00	..	1	100	7.50	750			
424.00 ,, 425.00	..	1	100	$\frac{7.5+13.5}{2}$	1050	200		
425.00 ,, 425.50	..	1	50	$\frac{13.5+24}{2}$	938	200		
425.50 ,, 425.90	..	1	40	$\frac{24+45}{2}$	1380	200		
425.90 ,, 426.90	..	1	100	$\frac{45+12}{2}$	2850	300		
426.90	Retaining wall 30' 0" x 2' x 2' (Irish Dam)							
426.90 ,, 427.75	..	1	85	$\frac{12+82.5}{2}$	4016	200		
427.75 ,, 428.75	..	1	100	$\frac{82.5+75}{2}$	7875	200		
428.75	Retaining wall 30' 0 x 2' x 2' (Irish Dam)							
428.75 ,, 429.35	..	1	60	75.00	4500	400		
429.35 ,, 429.85	..	1	50	$\frac{75+98.75}{2}$	4344	300		
429.85 ,, 430.40	..		50	$\frac{98.75+180}{2}$	7600			
430.40	Retaining wall 30' 0" x 2' 3' (Irish Dam withaving 20' x 12')							
430.40 ,, 430.95	..	1	55	$\frac{180+67.5}{2}$	6800			
430.95 ,, 432.00	..	1	105	$\frac{37.5+16.5}{2}$	4410	200		
432.00 ,, 432.70	..	1	70	$\frac{16.5+45}{2}$	2133			
432.70 ,, 433.20	..	1	~~135~~ 50	$\frac{45+100}{2}$	~~4725~~ 2250	200		
433.20 ,, 434.10	..	1	90	$\frac{45+60}{2}$	4725			
434.10 ,, 434.60	..	1	50	$\frac{60+67.5}{2}$	3188	200		
434.60 ,, 435.00	..	1	40	$\frac{67.5+170}{2}$	4750			
435.00	Retaining wall 100' x 2' x 2'							
435.00 ,, 435.30	..	1	30	$\frac{170+230}{2}$	6000			
435.30 ,, 435.85	..	1	55	230.00	12650			
435.85 ,, 436.25	..	1	40	230.00	9200	1000		
436.25 ,, 436.65	..	1	40	$\frac{230.00+180}{2}$	8200	600		
436.65 ,, 437.45	..	1	80	$\frac{180+112.5}{2}$	11700			
437.45 ,, 438.00	..	1	55	$\frac{112.5+82.5}{2}$	5363	300		
438.00 ,, 439.00	..	1	100	82.50	8250			
439.00 ,, 440.00	..	1	100	$\frac{82.5+67.5}{2}$	7500			
440.00 ,, 440.60	..	1	60	$\frac{67.5+45}{2}$	5375			
		1	50	$\frac{45+24}{2}$	2750	300		

Chainage.	Details of work.	No.	Length.	Area.	Total	
					Gravelly soil with boulders.	rock blasti
				B.F.	141464	4800
441.40 to 442.00	Ordinary soil	1	60	$\frac{24+27}{2}$	1530	200
442.00 ,, 442.70	,,	1	70	27.00	1890	300
442.70 ,, 443.55	,,	1	85	$\frac{27+60}{2}$	3698	400
443.55 ,, 443.85	,,	1	30	60.00	1800	400
443.85 ,, 444.25	,,	1	40	60.00	2400	200
444.25	Retaining wall 20'0" x 2' x 2' (Irish Dam)					
444.25 ,, 445.00	,,	1	75	$\frac{60+52.5}{2}$	4219	300
445.00 ,, 445.70	,,	1	70	$\frac{52.5+45}{2}$	3413	200
445.70 ,, 446.65	,,	1	95	$\frac{45+60}{2}$	4968	300
446.65	Retaining wall 20'0" x 2' x 2' (Irish Dam)					
446.65 ,, 447.65	,,	1	100	$\frac{60+82.50}{2}$	7125	
447.65 ,, 448.25	,,	1	60	82.50	4950	200
448.25	Retaining wall 20'0" x 2' x 2' (Irish Dam)					
448.25 ,, 448.80	,,	1	55	$\frac{82.50+52.5}{2}$	3713	300
448.80 ,, 449.10	,,	1	30	$\frac{52.5+60}{2}$	1368	200
449.10 ,, 450.10	,,	1	100	$\frac{60+45}{2}$	5250	
450.10 ,, 451.10	,,	1	100	$\frac{45+21}{2}$	3300	100
451.10 ,, 452.10	,,	1	100	21.00	2100	
452.10 ,, 452.65	,,	1	55	$\frac{21+16.5}{2}$	1031	200
452.65 ,, 453.65	,,	1	100	$\frac{16.5+45}{2}$	3075	200
453.65 ,, 454.25	,,	1	60	$\frac{45+52.5}{2}$	2925	200
~~454.25 ,, 455.25~~	~~2'0" span culvert~~					
454.25 ,, 455.25	,,	1	100	$\frac{52.5+24}{2}$	3825	
455.25 ,, 456.25	,,	1	100	$\frac{24+45}{2}$	3450	
456.25 ,, 457.25	,,	1	100	$\frac{45+75}{2}$	6000	200
457.25 ,, 458.00	,,	1	75	$\frac{75+82.50}{2}$	5906	200
458.00 ,, 458.35	,,	1	35	$\frac{82.50+52.50}{2}$	~~2125~~ 2363	200
458.35	Retaining wall 50' 0" x 2' x 2' (Irish Dam)					
458.35 ,, 459.35	,,	1	100	$\frac{52.50+16.50}{2}$	3450	200
459.35 ,, 459.85	,,	1	50	16.50	825	100
459.85 ,, 460.75	,,	1	90	$\frac{16.50+45}{2}$	2768	300
460.75 ,, 461.75	,,	1	100	$\frac{45+21}{2}$	3300	200
~~461.75~~	~~2'0" span culvert~~					
461.75 ,, 462.75	,,	1	100	$\frac{21+52.5}{2}$	3675	300
					23846	10500

					Total.	
Chainage.	Details of work.	No.	Length.	Area.	Gravelly soil with boulders.	Rock blasting
				B.F.	236321	10500
462.75 to 463.35	<i>Earth work.</i> ~~Ordinary soil~~	1	60	$\frac{52.5 + 45}{2}$	2925	200
463.35 ,, 464.20		1	85	$\frac{45 + 60}{2}$	4453	200
464.20	Retaining wall			50'0" x 2' x 2' (Irish Dam)		
464.20 ,, 464.70		1	50	$\frac{60 + 52.5}{2}$	2813	300
464.70 ,, 465.20		1	50	$\frac{52.5 + 67.50}{2}$	3000	100
465.20 ,, 465.80		1	60	$\frac{67.50 + 52.50}{2}$	3600	200
465.80	Retaining wall			75'0" x 2' x 2'		
465.80 ,, 466.80		1	100	$\frac{52.50 + 27}{2}$	3975	300
466.80 ,, 467.40		1	60	$\frac{27 + 45}{2}$	2160	300
467.40 ,, 468.40		1	100	45.00	4500	
468.40 ,, 469.40		1	100	$\frac{45 + 60}{2}$	5250	300
469.40 ,, 470.40		1	100	$\frac{60 + 52.5}{2}$	5625	300
470.40 ,, 471.00		1	60	$\frac{52.5 + 60}{2}$	3375	200
471.00	Retaining wall			20'0" x 2' x 2' (Irish ..		
471.00 ,, 471.25		1	25	60.00	1500	
471.25 ,, 472.25		1	100	$\frac{60 + 24}{2}$	4200	300
472.25 ,, 472.75		1	50	$\frac{24 + 16.5}{2}$	1013	200
472.75 ,, 473.25		1	50	$\frac{16.5 + 67.5}{2}$	2100	300
473.25 ,, 473.65		1	40	$\frac{67.5 + 12}{2}$	1590	400
473.65 ,, 474.45		1	80	12.00	960	
474.45 ,, 475.20		1	75	$\frac{12 + 45}{2}$	2138	
Total					2,88,973	14,100
or					2,89,000	14,100

Name of Taluk.

Retaining walls and Irish Dams in 2nd section. A.P. 1921

Name of Work

ESTIMATE FORM—Detail Measurements.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Irish Dam	20' x	12' x	xxx' x			

at station 430.40.						

<u>Dry stone work</u>						
Front ~~under~~ wall.	1	20-0	2-0	2-0	80	
Paving ...	1	20-0	10-0	1-0	200	
					-----	280 cft.
Retaining wall 20' x 2' x 2'						

<u>Dry stone work.</u>						
Retaining walls at stations 444.25, 446.65, 448.25, 471.00. ...	4	20-0	2-0	2-0	320	
					-----	320
Retaining wall 30'-0" x 2' x 2'						

<u>Dry stone work.</u>						
Retaining walls at stations 426.90, and 428.75. ...	2	30-0	2-0	2-0	240	
					-----	240
Retaining walls.						

<u>Dry stone work.</u>						
Retaining walls at stations 430.40, 458.35, 464.20 ...	3	50-0	2-0	2-0	600	
-do- at station 435.00	1	100-0	2-0	2-0	400	
-do- -do 465.80	1	75-0	2-0	2-0	300	
					-----	1300 , ,
Total dry stone work for Irish Dams and retaining walls.....cft.						2140 o
						2100 cft

CONSOLIDATED ABSTRACT ESTIMATE

56

Abstract Estimate.

Quantity.	Description of work.	Rate.		Per.	Amount.		Total.			
1	2	3		4	5		6			
8 miles	Valley road as per the detailed estimate ..	RS.	A.	P.	RS.	A.	P.	RS.	A.	P.
					8003	0	0			
1 mile	Ghaut road as per the detailed estimate				3208	0	0			
1/2 miles	Provisional estimate for ghaut road in continuation based on the actuals of the estimate for the above 1 mile				17644	0	0			
3 miles	Ghaut road from a point Bhagavathi-Kanavai (on Cauvery Talabatta proposed road) to Malladeshwarammalai as per actuals for above 1 mile				19248	0	0			
2 miles	Ghaut road from the point Bhagavathi-Kanavai to join up at mile 17 with the Ponnachi - Cowdally road, as per actuals for above 1 mile				6416	0	0			
	Total aggregate for construction of temporary huts for coolies				550	0	0			
	do. for purchase of tools				500	0	0			
	do. for contingencies				1181	0	0			
								56750	0	0
	Rupees fifty six thousand seven hundred and fifty only.									
	Supervision charges at 5 per cent.									
	* Contingencies at about 5 per cent.									

Cauvery - Thalabatta Talabatta

H. S. Dawin
Forest Engineer,
Coimbatore.

23.9.76

H. S. D. S. S.
Forest Engineer,
Coimbatore.

Grand Total Estimate

* To be filled in by Salt Officers.

Divisional officer (or other countersigning office to be named).

Sanctioned for 192- 192 .

Signature and designation of the officer submitting this estimate.

Collector (or other sanctioning officer to be named).

Tahsildar or other officer (to be named).

58

Provisional Abstract Estimate.


 Forest Engineer,
 Coimbatore.

'absildar or other officer (to be named)

Sec. Secy.

Part II Scheme for 1939-40 - Constⁿ

Roads - Kollegal division

cm. 26275-2/
pp1-3 CF

From the C.F. Ref. no 6542-38 A2 of 20/9/38

Head of Acct	Item of exp.	Estimated cost Rs	Cost in 1939-40 "
10.6. Conservancy and works - I.D. Communications and buildings - Roads and Bridges	Const ⁿ of roads in Ramapattanam range, Kollegal division	56,750	7,500

7 p1 CF

para 2 on p 2 CF

para 3 on p 2 CF

para 4 on p 2 CF

para 5 on p 3 CF

The proposal is described in para 1 on pp. 1-2 CF. The estimated cost is Rs. 56,250^{*}. A revenue of Rs. 15,000 per annum is expected after the Constⁿ of the roads, and deducting the interest on capital and the maintenance charges for the roads, the C.C. works out a revenue of Rs. 10,000 per annum. The proposal is therefore highly remunerative. The scheme is to be taken in hand in two parts, the Talabhetta Cauvery Road being constructed for 1939-40 to 1942-43 at a cost of Rs. 20,000 and the feeder roads from 1943-44 to 1946-47 at a cost of Rs. 26,250. The whole profit of Rs. 10,000 will be realised after all the roads are constructed, but a large proportion of this will be realised as soon as the Talabhetta Cauvery Road is ^{completed} constructed. An provision of Rs. 7,500 is required for

61

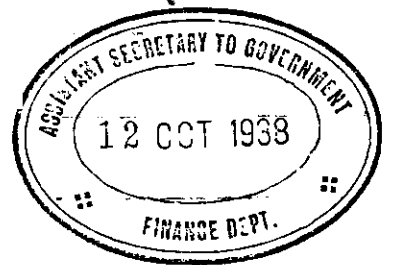
expenditure in 1939-40. The
proposal may be accepted and
the file sent to Finance for
acceptance of the work as a Part II
Scheme for 1939-40.

FM
17/10
29/10
20/10/38
This is a scheme running
- several years from 1939-40 to 1946-47.
The future of the Forest Dept is
yet unsettled. It would seem better to
take this up after some thing more
definite is known about that post.

RR
- 10/10/38

The work is important. It will
bring in added revenue.
Forest-Exp^t Mr Dawson is dead
but a successor will shortly
be appointed with an M.F.S
man as Forest-Exp^t. I don't
suppose there will be any
great objection to continuing
the post even beyond one
year for which sanction
is being accorded. CC
11.10.38

Finance up



San up 26 27 5 = 7 / 28-1
11.10.38
min. reg. plan.

36438

Part II scheme for 1939-40.

Demand IV - Forest - 10.b. Forest - Conservancy and
Works - Communications and buildings - Roads and
bridges.

	Ultimate cost.		Cost in 1939-40.	
	R. Rs.	N.R. Rs.	R. Rs.	N.R. Rs.
Construction of Talabetta-Cauvery road (14½ miles) and two feeder roads (8 miles) in the Kollegal division	-	56,750	-	7,500
Maintenance charges	2,700	-	-	-
	2,700	56,750	-	7,500
	or 56,800 roundly.			

Please see the Development department notes on
pages 1-2 above. The Talabetta-Cauvery road and the
two feeder roads are intended for the transport of
the large outturn of bamboos to be extracted annually
from the Madaswaranmalai reserves which has a big
unworked stock of bamboos. The Chief Conservator
expects that there will be an additional revenue of
Rs.15,080 by sale of bamboos if the road is constructed
Allowing for interest on capital and maintenance
charges of the road the Chief Conservator anticipates
a net profit of Rs.10,000 a year - vide para 2 on p.2
C.F

The expenditure on the construction of the road
will be spread over a period of 8 years - Rs.7,500 a
year for ^{the} next 7 years and Rs.4,250 in 1946-47. As the
scheme would bring in additional revenue to Government
this department may agree to the proposal being
considered as a Part II scheme for 1939-40.



28130

line
18.12.38

18/10/38
19/10

Dev.

Maintenance charges are
estimated at Rs. 150 per
mile for ghat section and
675 per mile for the valley
section. These are low.
But even by doubling these,
there will be a net return
of Rs. 7,260 - p 2 CF

18/10/38 p 3 CF

Dev. Dept.

A draft Part II Scheme note
is submitted. It may be sent
to Finance for acceptance and
they may be requested to add
their note to it

26275-I

DM
21/10
24/10/38

CIA
25.10.38

Finance -/

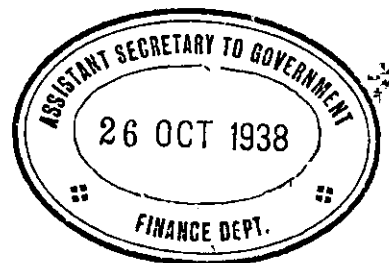
Dev. No. 26275-I/25-L
257028

Finance (BEI)

(Previous Finance note on page 3 ante)

The draft note may be accepted &
the following added as Finance note :-

"The proposal may be considered
as a Part II scheme for 1939-40



Dev
26.10.38

CIA
27.10.38 for S

and copies submitted
not to be delayed
to 30.10.38 if not

Dev

For the Dev. No. 20488 BEI-
27.10.38

The note may be circulated

Pt II Note
sent to Press
17/11

AK
27.10.38 S

CIA
31.10.38



CIA
14.11.38

H. M. (A. R. 2). In place of late Mr. Desai
the appointment of Sri Sankeuni may
be considered. Draft accepted 4/11/38

H. P. M. C.R. 14.11.38

Dev. 29084-I
29.10.38

Extending to be added to the
main Engineer's file 241524
22.11.38

5 64

To A-S

The scheme has not been approved by the Council of Ministers. This may therefore be recorded. Subject to orders a draft order is submitted for approval.

✓
(Memo 23305 SS-213
171592 26139)

not put up)

DA
29/1

774
30139

RR
30139

Cia
31138

38/22

65

DRAFT FOR APPROVAL.

C.F. 16.
Dev. Dept.

	Date.	Initials.
When received for fair copying ..		
When copied ..		
When examined ..		
When signed ..		
When despatched.		

SUBJECT:—

Forests - Roads - Construction of
roads - Kollegal division -
A Proposal - Deferred -

READ AGAIN _____, dated _____ 19____.

" " _____, dated _____ 19____.

READ ALSO:—

C. No. 26275-38 From the C.C.F. Ref. No. 6503-38, dated 30.9.1938.

pp 1-3 C.F. " " " " 19____.

" " " " 19____.

Order Ms. No. 281, dated 2 - 2 - 1939.
Resolution - Rout

The C.C.F. is requested
to renew his proposal for the Construct.
-ion of roads in Ramapuram
Range of the Kollegal division in
connection with B.K. for 1940-41.

To the C.C.F. ✓

MA
30/1
30/138
31/138
31/138

Dpd. by	V. A. 15
Messenger.	
Dpr.'s initials.	M
Date	3. 2. 1939

DEVELOPMENT DEPARTMENT.

PART II SCHEME FOR 1939-40.

[SUBJECT.—*Construction of Talabetta-Cauvery road with two feeder roads—Kollegal division.*]

Summary.

Head of account.	Item of expenditure.	Ultimate cost.		Cost in 1939-40.	
		Recur- ring.	Non- recur- ring.	Recur- ring.	Non- recur- ring.
		RS.	RS.	RS.	RS.
10. b Forest—Conservancy and Works—Communi- cations and buildings— Roads and bridges.	Construction of Talabetta- Cauvery road and two feeder roads, Kollegal division.	..	56,750	..	7,500
	Maintenance charges ..	2,800	..	..	..
	Total ..	2,800	56,750 or 56,800 (roundly).	..	7,500

NOTE BY THE ADMINISTRATIVE DEPARTMENT.

The Chief Conservator of Forests has submitted plans and estimates amounting to Rs. 56,750 for the construction of the following roads in Ramapuram range of the Kollegal division:—

	RS.
(i) Talabetta-Cauvery road—14½ miles ..	30,000
Feeder roads—	
(ii) Branch from Talabatta-Cauvery road for Madeswaramgudi—6 miles ..	..
(iii) Branch from Talabetta-Cauvery road to join at mile 17 with the Ponnachi-Cowdal- ly road—2 miles ..	..
Total ..	56,750

These roads are intended for the transport of a large number of bamboos to be extracted annually from the Madeswaramalai reserve. The whole of this enormous area of bamboo forest can easily and cheaply be exploited, as the bamboos can be carted to Gopinatham on the shore of the Mettur lake and floated all the way to Mettur. The installation of a paper pulp factory at Mettur is being considered by various firms, but even if this does not materialize, the bamboo coupes in these forests are bound to become of considerable value when the bamboos can so cheaply be extracted to rail head at Mettur. A total revenue of Rs. 15,080 per year is expected, and after deducting interest on capital at 4 per cent and maintenance charges for the road, this will result in a net revenue of Rs. 10,000. The scheme is thus remunerative. The main road will be completed in four years, and the two feeder roads will then be taken up and finished in four years. The whole profit of Rs. 10,000 will not be realized until all the roads are completed, but it is expected that as soon as the main road is completed, a large proportion of it will commence to be realized. This department therefore support the proposal and recommend that a provision of Rs. 7,500 be included in the Budget Estimate for 1939-40.

C. J. PAUL—25-10-38.

NOTE BY THE FINANCE DEPARTMENT.

The proposal may be considered as a Part II Scheme for 1939-40.

C. E. JONES—27-10-38.

DEVELOPMENT DEPARTMENT.

PART II SCHEME FOR 1939-40.

[SUBJECT.—*Construction of Talabetta-Cauvery road with two feeder roads—Kollegal division.*]

Summary.

Head of account.	Item of expenditure.	Ultimate cost.		Cost in 1939-40.	
		Recur- ring.	Non- recur- ring.	Recur- ring.	Non- recur- ring.
		RS.	RS.	RS.	RS.
10. b Forest—Conservancy and Works—Communications and buildings—Roads and bridges.	Construction of Talabetta-Cauvery road and two feeder roads, Kollegal division.	..	56,750	..	7,500
	Maintenance charges ..	2,800	..	..	..
	Total ..	2,800	56,750 or 56,800 (roundly).	..	7,500

NOTE BY THE ADMINISTRATIVE DEPARTMENT.

The Chief Conservator of Forests has submitted plans and estimates amounting to Rs. 56,750 for the construction of the following roads in Ramapuram range of the Kollegal division:—

	RS.
(i) Talabetta-Cauvery road ~14½ miles ..	30,000
Feeder roads—	
(ii) Branch from Talabatta-Cauvery road for Madeswaramgudi—6 miles ..	..
(iii) Branch from Talabetta-Cauvery road to join at mile 17 with the Ponnachi-Cowdally road—2 miles ..	..
	26,750
Total ..	56,750

These roads are intended for the transport of a large number of bamboos to be extracted annually from the Madeswaramalai reserve. The whole of this enormous area of bamboo forest can easily and cheaply be exploited, as the bamboos can be carted to Gopinatham on the shore of the Mettur lake and floated all the way to Mettur. The installation of a paper pulp factory at Mettur is being considered by various firms, but even if this does not materialize, the bamboo coupes in these forests are bound to become of considerable value when the bamboos can so cheaply be extracted to rail head at Mettur. A total revenue of Rs. 15,080 per year is expected, and after deducting interest on capital at 4 per cent and maintenance charges for the road, this will result in a net revenue of Rs. 10,000. The scheme is thus remunerative. The main road will be completed in four years, and the two feeder roads will then be taken up and finished in four years. The whole profit of Rs. 10,000 will not be realized until all the roads are completed, but it is expected that as soon as the main road is completed, a large proportion of it will commence to be realized. This department therefore support the proposal and recommend that a provision of Rs. 7,500 be included in the Budget Estimate for 1939-40.

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